

REMARKS

35 U.S.C. § 102 Rejections

The Examiner has rejected claims 12 and 18-20 under 35 U.S.C. § 102(b) as being anticipated by Jiang.

Claim 12 has been amended to include pre-coating the first component with a thin layer of the composition. Specifically, claim 12 includes the limitation “pre-coating said first component before said depositing, wherein said pre-coating comprises applying a thin layer of said composition.”

Jiang does not disclose pre-coating the first component with a thin layer of the composition. Jiang discloses conductive interconnections that are formed by depositing an adhesive material, made up of ferromagnetic particles dispersed within a matrix material, on a semiconductor substrate, such as an electronic component (Abstract). The first electronic component 102 and the second electronic component 124 are pressed together such that a plurality of ferromagnetic particles 114 of each adhesive material column 120 contacts the first electronic component bond pads 104 and the second electronic component bond pads 126 to make a predetermined degree of electrical connection therebetween (column 6, lines 13-20). Jiang makes no mention of pre-coating the components with a thin layer of the composition. Specifically, Jiang does not disclose pre-coating the components with a thin layer of the composition.

Therefore, claim 12 is not anticipated by Jiang because claim 12 includes a limitation that is not disclosed in Jiang.

Claims 18-20 are dependent on claim 12 and should be allowable for the same reasons as claim 12 stated above.

Applicant, according, respectfully requests withdrawal of the rejections of claims 12 and 18-20 under 35 U.S.C. § 102(b) as being anticipated by Jiang.

35 U.S.C. § 103 Rejections

The Examiner has rejected claims 12-15 and 17-20 under 35 U.S.C. § 103(a) as being unpatentable over Jiang in view of Giraud or Baldwin or Jin or Weld.

Claim 12 has been amended to include pre-coating the component with a thin layer of the composition. Specifically, claim 12 includes the limitation “pre-coating said first component before said depositing, wherein said pre-coating comprises applying a thin layer of said composition.”

As previously discussed, Jiang does not teach or suggest pre-coating the components with a thin layer of the composition.

Giraud, Baldwin, Jin, and Weld fail to teach or suggest pre-coating the component with a thin layer of the composition.

Therefore, claim 12 is patentable over Jiang in view of Giraud or Baldwin or Jin or Weld because claim 12 includes a limitation that is not taught or suggested by Jiang, Giraud, Baldwin, Jin, and Weld. Furthermore, claim 12 has been amended in accordance with the Examiner’s suggestion that claim 16 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

Claims 13-14 and 17-20 are dependent on claim 12 and should be allowable for the same reasons as claim 12 stated above.

Claim 15 has been cancelled.

Applicant, according, respectfully requests withdrawal of the rejections of claims 12-14 and 17-20 under 35 U.S.C. § 103(a) as being unpatentable over Jiang in view of Giraud or Baldwin or Jin or Weld.

New claim 31 includes using the magnetic field from a metallic surface to bend the aligned path. Specifically, claim 31 includes the limitation "wherein applying a magnetic field includes using the magnetic field from a metallic surface to bend the aligned path."

Jiang, Giraud, Baldwin, Jin, and Weld fail to teach or suggest using the magnetic field from a metallic surface to bend the aligned path. Furthermore, new claim 31 has been added in accordance with the Examiner's suggestion that claim 21 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

Claims 32-40 are dependent on claim 31 and should be allowable for the same reasons as claim 31 stated above.

New claim 41 includes the magnetic material particles having the dimensions of approximately one micro by two microns by ten microns. Specifically, claim 41 includes the limitation "wherein mixing includes mixing the composition of magnetic

material particles having dimensions of approximately one micro by two microns by ten microns."

Jiang, Giraud, Baldwin, Iin, and Weld do not teach or suggest the magnetic material particles having dimensions of approximately one micro by two microns by ten microns. Furthermore, new claim 42 has been added in accordance with the Examiner's suggestion that claim 22 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

Claims 42-50 are dependent on claim 41 and should be allowable for the same reasons as claim 41 stated above.

In view of these amendments, Applicant respectfully submits that the present application is in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call Mark A. Kupanoff at (408) 720-8300.

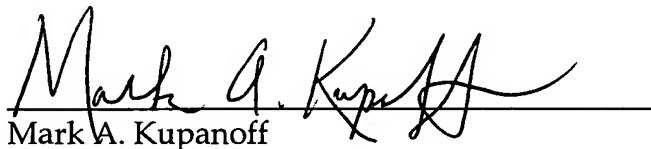
Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.

Respectfully submitted,

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8/30/04



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